

F16. 1

F16.2

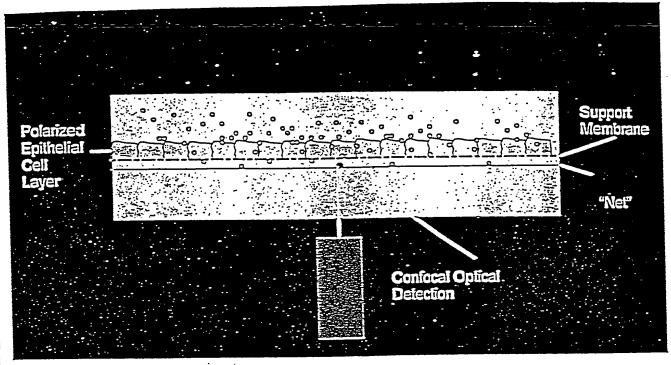
F16.4

Resin Attachment **Functionality** library' NHNH₂ library library? library1

F16.5

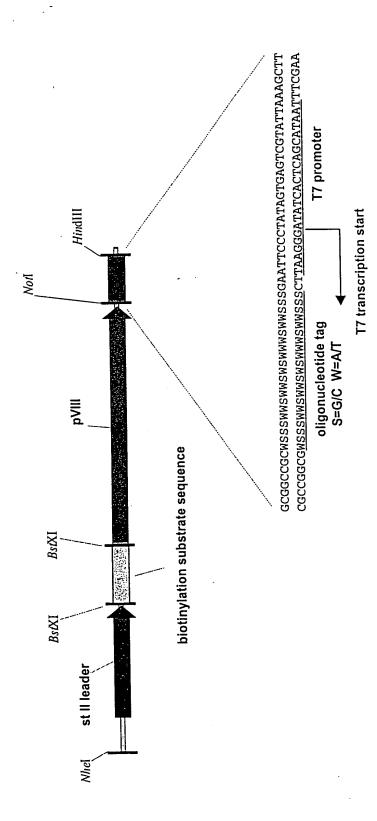
FIG. 6

FIG. 7A



F16.8

Filamentous phagemid display (gene VIII)



F16.9

Filamentous phagemid display (gene VIII)

<u>GGCGGGCTTAATGATATTTTTTTGAGGCTCAGAAGATTGAGTGGCATGAG</u>GGAGGCGGGGGTAGC flexible spacer ຶ Ö ප ы н м biotinylation substrate sequence ᅜ и х о biotin EA LNDI

Ä

. gene 8

T7 display (gene 10B)

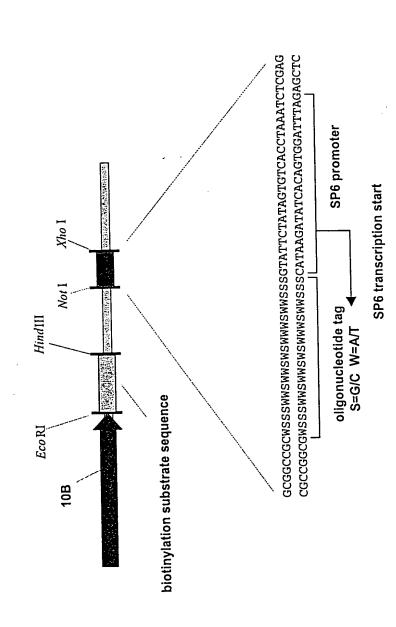
œ.

3 biotinylation substrate sequence M Q K I biotin Ø Œ I Q G L N <u>ຄ</u> spacer Ö ល

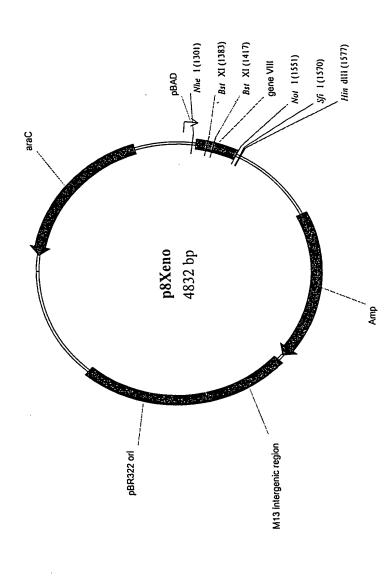
BirA substrate phage bind to immobilized avidin 2.0 1.5 1.5 DVIII BirA substrate phage Control phage avidin avidin + 10uM biotin BSA

FIG. 11

T7 display (gene 10B)



F1G. 12



F16.13

Fig. 14 A

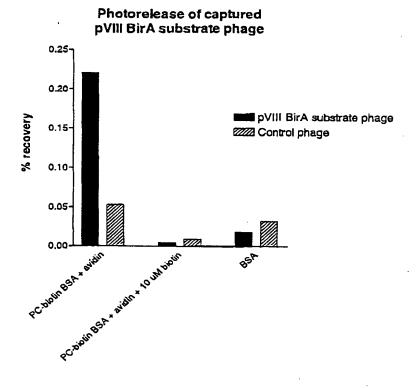


Fig. 14 B

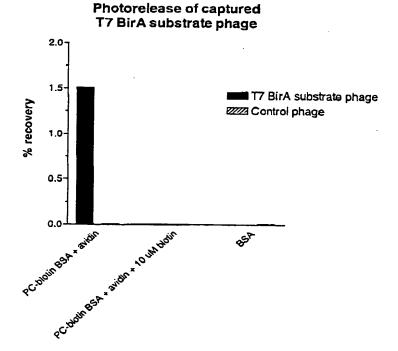
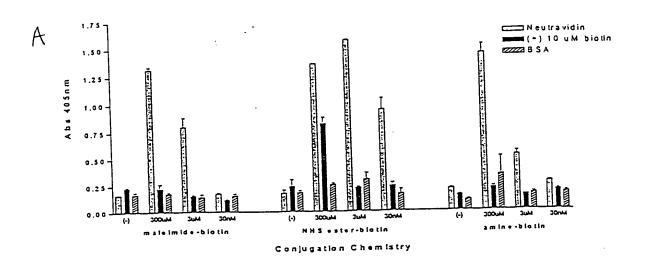
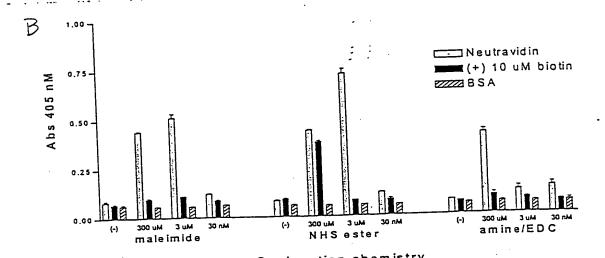
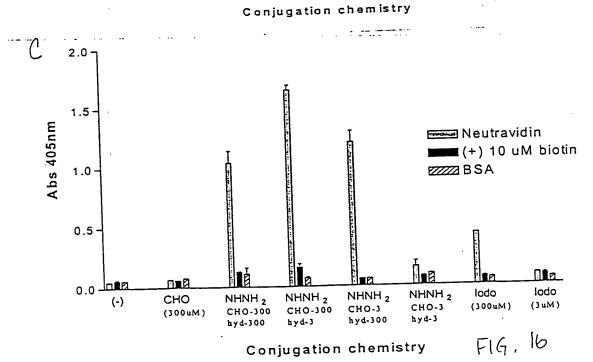
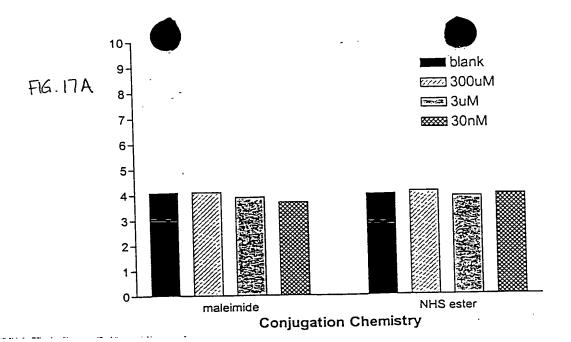


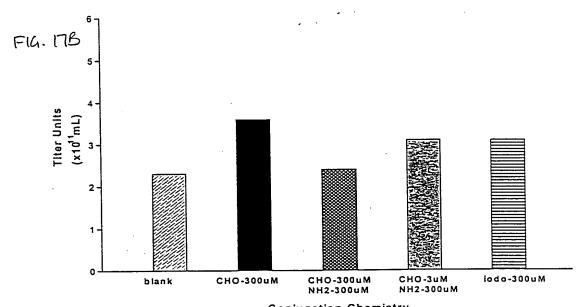
FIG. 15

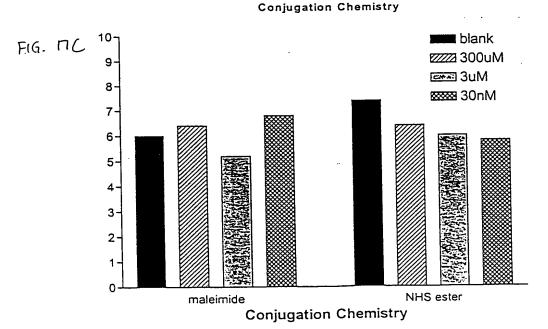




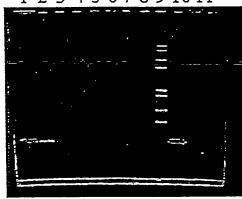




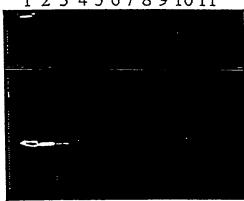




F16.18 A: All proteins
1 2 3 4 5 6 7 8 9 10 11



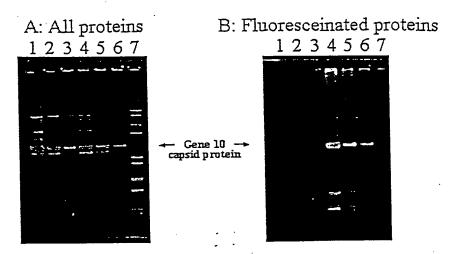
B: Fluoresceinated proteins
1 2 3 4 5 6 7 8 9 10 11



Lanes 1-8: Fd phage treated with fluorescein-NHS ester (2x dilutions)
Lane 9: MW markers

Lane 10-11: Fd phage treated with fluorescein-CO2H (10X dilution)

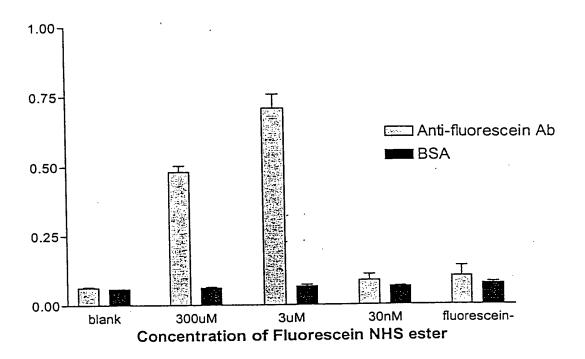
F16.19



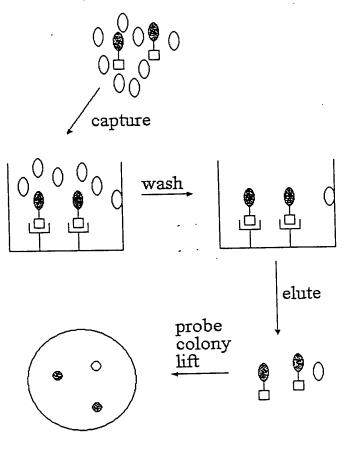
Lanes 1-3: T7 phage treated with fluorescein-CO₂H (2X dilutions)

Lane 4-6: T7 phage treated with fluorescein-NHS ester (2X dilutions)

Lane 7: MW marker



F16.20



F14.21

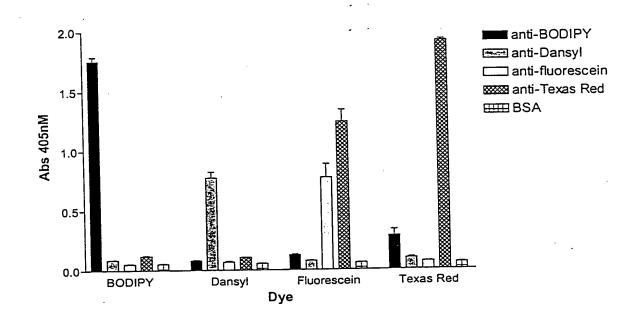


FIG. 22